

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEW9/21/01The drawing(s) filed (insert date) 9/21/01:A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a); Acceptable categories of drawings:	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
Black ink Color	— Words do not appear on a horizontal, left-to-right fashion
— Color drawings are not acceptable until petition is granted.	— when page is either upright or turned so that the top
Fig(s) _____	becomes the right side, except for graphs. Fig(s) _____
Pencil and non black ink not permitted. Fig(s) _____	9. SCALE. 37 CFR 1.84(k)
2. PHOTOGRAPHS. 37 CFR 1.84(b)	— Scale not large enough to show mechanism without
— 1 full-tone set is required. Fig(s) _____	— crowding when drawing is reduced in size to two-thirds in
— Photographs may not be mounted. 37 CFR 1.84(c)	reproduction.
Poor quality (half-tone). Fig(s) _____	Fig(s) _____
3. TYPE OF PAPER. 37 CFR 1.84(e)	10. CHARACTER OF LINES, NUMBERS, & LETTERS.
— Paper not flexible, strong, white, and durable.	37 CFR 1.84(i)
Fig(s) _____	X Lines, numbers & letters not uniformly thick and well
— Erasures, alterations, overwritings, interlineations,	defined, clean, durable, and black (poor line quality).
— folds, copy machine marks not accepted. Fig(s) _____	Fig(s) <u>1/8</u>
— Mylar, velum paper is not acceptable (too thin).	11. SHADING. 37 CFR 1.84(m)
Fig(s) _____	— Solid black areas pale. Fig(s) _____
4. SIZE OF PAPER. 37 CFR 1.84(f); Acceptable sizes:	— Solid black shading not permitted. Fig(s) _____
— 21.0 cm by 29.7 cm (DIN size A4)	— Shade lines, pale, rough and blurred. Fig(s) _____
— 21.6 cm by 27.9 cm (8 1/2 x 11 inches)	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.
— All drawing sheets not the same size.	37 CFR 1.84(p)
Sheet(s) _____	— Numbers and reference characters not plain and legible.
— Drawings sheets not an acceptable size. Fig(s) _____	Fig(s) _____
5. MARGINS. 37 CFR 1.84(g); Acceptable margins:	— Figure legends are poor. Fig(s) _____
Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm	— Numbers and reference characters not oriented in the
SIZE: A4 Size	same direction as the view. 37 CFR 1.84(p)(1)
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm	Fig(s) _____
SIZE: 8 1/2 x 11	— English alphabet not used. 37 CFR 1.84(p)(2)
Margins not acceptable. Fig(s) _____	Figs _____
— Top (T) Left (L)	X Numbers, letters and reference characters must be at least
— Right (R) Bottom (B)	.32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
6. VIEWS. 37 CFR 1.84(h)	Fig(s) <u>1/8</u>
REMINDER: Specification may require revision to	13. LEAD LINES. 37 CFR 1.84(q)
correspond to drawing changes.	— Lead lines cross each other. Fig(s) _____
Partial views. 37 CFR 1.84(h)(2)	— Lead lines missing. Fig(s) _____
— Brackets needed to show figure as one entity.	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)
Fig(s) _____	— Sheets not numbered consecutively, and in Arabic numerals
— Views not labeled separately or properly.	beginning with number 1. Sheet(s) _____
Fig(s) _____	15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
— Enlarged view not labeled separately or properly.	— Views not numbered consecutively, and in Arabic numerals,
Fig(s) _____	beginning with number 1. Fig(s) _____
7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)	16. CORRECTIONS. 37 CFR 1.84(w)
— Hatching not indicated for sectional portions of an object.	— Corrections not made from prior PTO-948
Fig(s) _____	dated _____
— Sectional designation should be noted with Arabic or	17. DESIGN DRAWINGS. 37 CFR 1.152
Roman numbers. Fig(s) _____	— Surface shading shown not appropriate. Fig(s) _____
— Solid black shading not used for color contrast.	Fig(s) _____

COMMENTS

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REVIEWER D.O. DATE 12/3/01 TELEPHONE NO. _____3

ATTACHMENT TO PAPER NO. _____

REMINDER

Drawing changes may also require changes in the specification, e.g., if Fig. 1 is changed to Fig 1A, Fig. 1B, Fig.1C, etc., the specification, at the Brief Description of the Drawing, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawings.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Drawings- 37 CFR 1.85

File new drawings with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Review Branch.

2. Timing for Corrections

Applicant is required to submit **acceptable** corrected drawings within the three-month shortened statutory period set in the ~~Notice of Allowability~~ (PTOL-37).

Failure to take corrective action within set period will result in ~~ABANDONMENT~~ of the Application.

3. Corrections other than Defects Noted by the Drawing Review Branch on the Form PTO-948

All changes to the drawings, other than defects noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted other than correction of defects, unless the examiner has approved the proposed changes.

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Attachment for PTO-948 (Rev. 03/01, or earlier)

6/18/01

The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities -- 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

Timing of Corrections

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.